KT DN8000 Digital Parameters

DN8000 OS Rev.: 1.13 File: X-Array Touring DN8000 Parameters Rev.: 8.0

	Loudspeaker System	**Xb, Xf & Xf - Mono** (Also for Xcb & Xf)					**Xb, Xf & Xf - Stereo** (Also for Xcb & Xf)				
	Notes Un-hide cells for revision history and specific system notes.	* Use for long-throw, mono applications with multiple zone coverage (FOH) * Xcb may be substituted for Xb * Xf/Xb Relative Delays: HF:1042uS, MB:0uS, LF:0uS * Delay Xf, Xn, Xcn, Xb & Xcb 2500uS to match Xds * Calibrate limiter threshold for driver protection * Adjust Level, EQ, Compressor & Gate as necessary					* Use for long-throw, stereo applications (FOH, large-stage monitor sidefills) * Xcb may be substituted for Xb * Xf/Xb Relative Delays: HF:1042uS, MB:0uS, LF:0uS * Delay Xf, Xn, Xcn, Xb & Xcb 2500uS to match Xds * Calibrate limiter threshold for driver protection * Adjust Level, EQ, Compressor & Gate as necessary				
	Programmer: 1st Rev. - Last Rev.	DEC-01/20/98 DEC-04/04/99					DEC-01/20/98 DEC-04/04/99				
	DN8000 Program Title	**XB,XF,XF** (Revised Factory Preset)					**XB,XF-ST** (Manual Program)				
	Main Input Master Delays (uS)	A: 20 B: 20					A: 20 B: 20				
		Xb	**Xf**	**Xf**	**Xf**	**Xf**	**Xb**	**Xf**	**Xf**	**Xf**	**Xf**
	Frequency Band	**LF**	**MB**	**HF**	**MB**	**HF**	**LF**	**MB**	**HF**	**MB**	**HF**
	DN8000 Output	**1**	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**	**5**
Main Menu	**Input Source (A, B)**	A	A	A	A	A	A+B	A	A	B	B
	Output Align Delay (uS)	2520	2520	3562	2520	3562	2520	2520	3562	2520	3562
	Polarity (Normal, Invert)	Invert	Norm	Norm	Norm	Norm	Invert	Norm	Norm	Norm	Norm
	Phase Adjust (Deg.)	0	0	0	0	0	0	0	0	0	0
	Output Mute (On, Off)	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Digital Output Level (dB)	+9.0	0	0	0	0	+9.0	0	0	0	0
	Output Display Label	Lo	Mid	Hi	Mid	Hi	Lo	Mid	Hi	Mid	Hi
EQ Menu	**HPF Freq. (Hz)**	42.6	125	1.76k	125	1.76k	42.6	125	1.76k	125	1.76k
	HPF Resp. (Type-dB/Oct)	But24	LR24	LR24	LR24	LR24	But24	LR24	LR24	LR24	LR24
	HPF Lift/Boost (dB)	0	0	0	0	0	0	0	0	0	0
	LPF Freq. (Hz)	125.0	1.76k	16.0k	1.76k	16.0k	125.0	1.76k	16.0k	1.76k	16.0k
	LPF Resp. (Type-dB/Oct)	LR24	LR24	But24	LR24	But24	LR24	LR24	But24	LR24	But24
	PEQ1 Freq. (Hz)	37.4	213	3.37k	213	3.37k	37.4	213	3.37k	213	3.37k
	PEQ1 BW (Oct)	0.5	0.7	0.7	0.7	0.7	0.5	0.7	0.7	0.7	0.7
	PEQ1 Level (dB)	+4.0	+2.0	-3.5	+2.0	-3.5	+4.0	+2.0	-3.5	+2.0	-3.5
	PEQ2 Freq. (Hz)	50.0	374	6.30k	374	6.30k	50.0	374	6.30k	374	6.30k
	PEQ2 BW (Oct)	0.4	0.5	0.7	0.5	0.7	0.4	0.5	0.7	0.5	0.7
	PEQ2 Level (dB)	0	0	-3.0	0	-3.0	0	0	-3.0	0	-3.0
	LEQ Freq. (Hz)	67.2	750	1.00k	750	1.00k	67.2	750	1.00k	750	1.00k
	LEQ BW, SL (Oct, dB/Oct)	0.3	0.5	0.5	0.5	0.5	0.3	0.5	0.5	0.5	0.5
	LEQ Level (dB)	-3.0	0	0	0	0	-3.0	0	0	0	0
	HEQ Freq. (Hz)	500	1.06k	14.0k	1.06k	14.0k	500	1.06k	14.0k	1.06k	14.0k
	HEQ BW, SL (Oct, dB/Oct)	0.7	1.5	0.9	1.5	0.9	0.7	1.5	0.9	1.5	0.9
	HEQ Level (dB)	0	-3.0	+7.0	-3.0	+7.0	0	-3.0	+7.0	-3.0	+7.0
Dynamics Menu	**Comp. Thresh. (dBu)**	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0
	Comp. Ratio (X:1)	2	3	3	3	3	2	3	3	3	3
	Comp. Attack (mS)	10	10	1	10	1	10	10	1	10	1
	Comp. Release (mS)	200	150	100	150	100	200	150	100	150	100
	Gate Thresh. (dBu)	-80	-80	-80	-80	-80	-80	-80	-80	-80	-80
	Gate Range (dB)	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Gate Decay (dB/mS)	.02	.04	.06	.04	.06	.02	.04	.06	.04	.06
	Limiter Thresh. (dBu)	+6.0	+4.0	+2.0	+4.0	+2.0	+6.0	+4.0	+2.0	+4.0	+2.0
Knob	**Output Knobs (dB)**	0	0	0	0	0	0	0	0	0	0
	Input Knobs (dB)	A: 0 B: 0					A: 0 B: 0				
Options Menu	**Limiter Thresh. Reference**	dBu (0dBu=.775v)					dBu (0dBu=.775v)				
	Comp. Thresh. Ref. & Link.	dBu (0dBu=.775v) No Linkage					dBu (0dBu=.775v) No Linkage				
	Output Meter Reference	dB from Limit					dB from Limit				
	Output Meter Peak Hold	Auto Clear					Auto Clear				
	Delay Units & Temp. Comp.	uSec 20 Deg C Set					uSec 20 Deg C Set				
	Maximum Output Voltage	2.45v: Power Amp (+10.0 dBu)					2.45v: Power Amp (+10.0 dBu)				

KT DN8000 Digital Parameters

DN8000 OS Rev.: 1.13 File: X-Array Touring DN8000 Parameters Rev.: 8.0

	Loudspeaker System	**Xb, Xn & Xn - Mono** (Also for Xcb & Xcn)					**Xb, Xn & Xn - Stereo** (Also for Xcb & Xcn)				
	Notes	* Use for short/mid-throw mono applications with multiple zone coverage (FOH, sidefill, downfill, frontfill) * Xcb may be substituted for Xb * Xcn may be substituted for Xn MB & HF * Turn Xn LF amp down 6dB if share Xb drive signal * Xn/Xb Relative Delays: HF:1000uS, MB:0uS, LF:0uS * Delay Xf, Xn, Xcn, Xb & Xcb 2500uS to match Xds * Calibrate limiter threshold for driver protection * Adjust Level, EQ, Compressor & Gate as necessary					* Use for short/mid-throw stereo applications (small FOH, sidefill, frontfill) * Xcb may be substituted for Xb * Xcn may be substituted for Xn MB & HF * Turn Xn LF amp down 6dB if share Xb drive signal * Xn/Xb Relative Delays: HF:1000uS, MB:0uS, LF:0uS * Delay Xf, Xn, Xcn, Xb & Xcb 2500uS to match Xds * Calibrate limiter threshold for driver protection * Adjust Level, EQ, Compressor & Gate as necessary				
	Un-hide cells for revision history and specific system notes.										
	Programmer: 1st Rev. - Last Rev.	DEC-01/20/98 DEC-04/04/99					DEC-01/20/98 DEC-04/04/99				
	DN8000 Program Title	**XB,XN,XN** (Revised Factory Preset)					**XB,XN-ST** (Revised Factory Preset)				
	Main Input Master Delays (uS)	A: 20 B: 20					A: 20 B: 20				
	Frequency Band	**Xb/Xn LF**	**Xn MB**	**Xn HF**	**Xn MB**	**Xn HF**	**Xb/Xn LF**	**Xn MB**	**Xn HF**	**Xn MB**	**Xn HF**
	DN8000 Output	**1**	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**	**5**
Main Menu	**Input Source (A, B)**	A	A	A	A	A	A+B	A	A	B	B
	Output Align Delay (uS)	2520	2520	3520	2520	3520	2520	2520	3520	2520	3520
	Polarity (Normal, Invert)	Invert	Norm	Norm	Norm	Norm	Invert	Norm	Norm	Norm	Norm
	Phase Adjust (Deg.)	0	0	0	0	0	0	0	0	0	0
	Output Mute (On, Off)	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Digital Output Level (dB)	+9.0	0	0	0	0	+9.0	0	0	0	0
	Output Display Label	Lo	Mid	Hi	Mid	Hi	Lo	Mid	Hi	Mid	Hi
EQ Menu	**HPF Freq. (Hz)**	42.6	125	1.76k	125	1.76k	42.6	125	1.76k	125	1.76k
	HPF Resp. (Type-dB/Oct)	But24	LR24	LR24	LR24	LR24	But24	LR24	LR24	LR24	LR24
	HPF Lift/Boost (dB)	0	0	0	0	0	0	0	0	0	0
	LPF Freq. (Hz)	125.0	1.76k	16.0k	1.76k	16.0k	125.0	1.76k	16.0k	1.76k	16.0k
	LPF Resp. (Type-dB/Oct)	LR24	LR24	But24	LR24	But24	LR24	LR24	But24	LR24	But24
	PEQ1 Freq. (Hz)	37.4	234	3.37k	234	3.37k	37.4	234	3.37k	234	3.37k
	PEQ1 BW (Oct)	0.5	0.7	0.8	0.7	0.8	0.5	0.7	0.8	0.7	0.8
	PEQ1 Level (dB)	+4.0	+1.0	-6.0	+1.0	-6.0	+4.0	+1.0	-6.0	+1.0	-6.0
	PEQ2 Freq. (Hz)	50.0	374	6.30k	374	6.30k	50.0	374	6.30k	374	6.30k
	PEQ2 BW (Oct)	0.4	0.5	0.7	0.5	0.7	0.4	0.5	0.7	0.5	0.7
	PEQ2 Level (dB)	0	0	-5.0	0	-5.0	0	0	-5.0	0	-5.0
	LEQ Freq. (Hz)	67.2	717	1.0k	717	1.0k	67.2	717	1.0k	717	1.0k
	LEQ BW, SL (Oct, dB/Oct)	0.3	0.5	0.5	0.5	0.5	0.3	0.5	0.5	0.5	0.5
	LEQ Level (dB)	-3.0	-1.5	0	-1.5	0	-3.0	-1.5	0	-1.5	0
	HEQ Freq. (Hz)	500	1.35k	14.0k	1.35k	14.0k	500	1.35k	14.0k	1.35k	14.0k
	HEQ BW, SL (Oct, dB/Oct)	0.7	1.5	0.8	1.5	0.8	0.7	1.5	0.8	1.5	0.8
	HEQ Level (dB)	0	-4.5	+8.0	-4.5	+8.0	0	-4.5	+8.0	-4.5	+8.0
Dynamics Menu	**Comp. Thresh. (dBu)**	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0
	Comp. Ratio (X:1)	2	3	3	3	3	2	3	3	3	3
	Comp. Attack (mS)	10	10	1	10	1	10	10	1	10	1
	Comp. Release (mS)	200	150	100	150	100	200	150	100	150	100
	Gate Thresh. (dBu)	-80	-80	-80	-80	-80	-80	-80	-80	-80	-80
	Gate Range (dB)	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Gate Decay (dB/mS)	.02	.04	.06	.04	.06	.02	.04	.06	.04	.06
	Limiter Thresh. (dBu)	+6.0	+4.0	+2.0	+4.0	+2.0	+6.0	+4.0	+2.0	+4.0	+2.0
Knob	**Output Knobs (dB)**	0	0	0	0	0	0	0	0	0	0
	Input Knobs (dB)	A: 0 B: 0					A: 0 B: 0				
Options Menu	**Limiter Thresh. Reference**	dBu (0dBu=.775v)					dBu (0dBu=.775v)				
	Comp. Thresh. Ref. & Link.	dBu (0dBu=.775v) No Linkage					dBu (0dBu=.775v) No Linkage				
	Output Meter Reference	dB from Limit					dB from Limit				
	Output Meter Peak Hold	Auto Clear					Auto Clear				
	Delay Units & Temp. Comp.	uSec 20 Deg C Set					uSec 20 Deg C Set				
	Maximum Output Voltage	2.45v: Power Amp (+10.0 dBu)					2.45v: Power Amp (+10.0 dBu)				

KT DN8000 Digital Parameters

DN8000 OS Rev.: 1.13 File: X-Array Touring DN8000 Parameters Rev.: 8.0

	Loudspeaker System	**Xn & Xds - Mono**					**Xn - Stereo**				
	Notes	* Use for short/mid-throw mono applications with subs, but without additional bass boxes (small FOH, sidefill, frontfill)					* Use for short/mid-throw stereo applications without additional bass boxes (small FOH, sidefill, downfill, frontfill)				
	Un-hide cells for revision history and specific system notes.	* Xn Relative Delays: HF:1000uS, MB:0uS, LF:0uS * Delay Xf, Xn, Xcn, Xb & Xcb 2500uS to match Xds * Calibrate limiter threshold for driver protection * Adjust Level, EQ, Compressor & Gate as necessary					* Xn Relative Delays: HF:1000uS, MB:0uS, LF:0uS * Delay Xf, Xn, Xcn, Xb & Xcb 2500uS to match Xds * Calibrate limiter threshold for driver protection * Adjust Level, EQ, Compressor & Gate as necessary				
	Programmer: 1st Rev. - Last Rev.	DEC-01/20/98 DEC-04/04/99					DEC-01/20/98 DEC-04/04/99				
	DN8000 Program Title	**XN,XDS** (Manual Program)					**XN-ST** (Manual Program)				
	Main Input Master Delays (uS)	A: 20 B: 20					A: 20 B: 20				
	Frequency Band	**Xn LF**	**Xn MB**	**Xn HF**	**Xds SUB**	**Xds SUB**	**Xn LF**	**Xn MB**	**Xn HF**	**Xn MB**	**Xn HF**
	DN8000 Output	**1**	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**	**5**
Main Menu	**Input Source (A, B)**	A	A	A	A	A	A+B	A	A	B	B
	Output Align Delay (uS)	2520	2520	3520	20	20	2520	2520	3520	2520	3520
	Polarity (Normal, Invert)	Invert	Norm	Norm	Invert	Invert	Invert	Norm	Norm	Norm	Norm
	Phase Adjust (Deg.)	0	0	0	0	0	0	0	0	0	0
	Output Mute (On, Off)	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Digital Output Level (dB)	+9.0	0	0	+9.0	+9.0	+9.0	0	0	0	0
	Output Display Label	Lo	Mid	Hi	Sub	Sub	Lo	Mid	Hi	Mid	Hi
EQ Menu	**HPF Freq. (Hz)**	50.0	125	1.76k	33.7	33.7	50.0	125	1.76k	125	1.76k
	HPF Resp. (Type-dB/Oct)	But24	LR24	LR24	But24	But24	But24	LR24	LR24	LR24	LR24
	HPF Lift/Boost (dB)	0	0	0	0	0	0	0	0	0	0
	LPF Freq. (Hz)	125.0	1.76k	16.0k	80.0	80.0	125.0	1.76k	16.0k	1.76k	16.0k
	LPF Resp. (Type-dB/Oct)	LR24	LR24	But24	LR24	LR24	LR24	LR24	But24	LR24	But24
	PEQ1 Freq. (Hz)	37.4	234	3.37k	37.4	37.4	37.4	234	3.37k	234	3.37k
	PEQ1 BW (Oct)	0.5	0.7	0.8	0.5	0.5	0.5	0.7	0.8	0.7	0.8
	PEQ1 Level (dB)	0	+1.0	-6.0	+4.0	+4.0	0	+1.0	-6.0	+1.0	-6.0
	PEQ2 Freq. (Hz)	50.0	374	6.30k	50.0	50.0	50.0	374	6.30k	374	6.30k
	PEQ2 BW (Oct)	0.4	0.5	0.7	0.4	0.4	0.4	0.5	0.7	0.5	0.7
	PEQ2 Level (dB)	+3.0	0	-5.0	0	0	+3.0	0	-5.0	0	-5.0
	LEQ Freq. (Hz)	71.7	717	1.0k	80.0	80.0	71.7	717	1.0k	717	1.0k
	LEQ BW, SL (Oct, dB/Oct)	0.3	0.5	0.5	0.7	0.7	0.3	0.5	0.5	0.5	0.5
	LEQ Level (dB)	0	-1.5	0	+1.0	+1.0	0	-1.5	0	-1.5	0
	HEQ Freq. (Hz)	500	1.35k	14.0k	500	500	500	1.35k	14.0k	1.35k	14.0k
	HEQ BW, SL (Oct, dB/Oct)	0.7	1.5	0.8	0.7	0.7	0.7	1.5	0.8	1.5	0.8
	HEQ Level (dB)	0	-4.5	+8.0	0	0	0	-4.5	+8.0	-4.5	+8.0
Dynamics Menu	**Comp. Thresh. (dBu)**	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0
	Comp. Ratio (X:1)	2	3	3	2	2	2	3	3	3	3
	Comp. Attack (mS)	10	10	1	10	10	10	10	1	10	1
	Comp. Release (mS)	200	150	100	200	200	200	150	100	150	100
	Gate Thresh. (dBu)	-80	-80	-80	-80	-80	-80	-80	-80	-80	-80
	Gate Range (dB)	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Gate Decay (dB/mS)	.02	.04	.06	.02	.02	.02	.04	.06	.04	.06
	Limiter Thresh. (dBu)	+6.0	+4.0	+2.0	+6.0	+6.0	+6.0	+4.0	+2.0	+4.0	+2.0
Knob	**Output Knobs (dB)**	0	0	0	0	0	0	0	0	0	0
	Input Knobs (dB)	A: 0 B: 0					A: 0 B: 0				
Options Menu	**Limiter Thresh. Reference**	dBu (0dBu=.775v)					dBu (0dBu=.775v)				
	Comp. Thresh. Ref. & Link.	dBu (0dBu=.775v) No Linkage					dBu (0dBu=.775v) No Linkage				
	Output Meter Reference	dB from Limit					dB from Limit				
	Output Meter Peak Hold	Auto Clear					Auto Clear				
	Delay Units & Temp. Comp.	uSec 20 Deg C Set					uSec 20 Deg C Set				
	Maximum Output Voltage	2.45v: Power Amp (+10.0 dBu)					2.45v: Power Amp (+10.0 dBu)				

KT DN8000 Digital Parameters

DN8000 OS Rev.: 1.13 File: X-Array Touring DN8000 Parameters Rev.: 8.0

	Loudspeaker System	**Xb, Xf & Xn - Mono** (Also for Xcb & Xcn)					**Xds - Mono Sum**				
	Notes	* Use for long & short/mid-throw combination mono applications (FOH, large-stage sidefills)					* Use for mono-summed Sub applications with any of the full-range systems (FOH, monitors)				
	Un-hide cells for revision history and specific system notes.	* Xcb may be substituted for Xb * Xcn may be substituted for Xn MB & HF * Turn Xn LF amp down 6dB if share Xb drive signal * Xf/Xb Relative Delays: HF:1042uS, MB:0uS, LF:0uS * Xn/Xb Relative Delays: HF:1000uS, MB:0uS, LF:0uS * Delay Xf, Xn, Xcn, Xb & Xcb 2500uS to match Xds * Calibrate limiter threshold for driver protection * Adjust Level, EQ, Compressor & Gate as necessary					* Delay Xf, Xn, Xcn, Xb & Xcb 2500uS to match Xds * Calibrate limiter threshold for driver protection * Adjust Level, EQ, Compressor & Gate as necessary				
	Programmer: 1st Rev. - Last Rev.	DEC-01/20/98 DEC-04/04/99					DEC-01/20/98 DEC-04/04/99				
	DN8000 Program Title	**XB,XF,XN** (Revised Factory Preset)					**XDS** (Manual Program)				
	Main Input Master Delays (uS)	A: 20 B: 20					A: 20 B: 20				
	Frequency Band	**Xb/Xn LF**	**Xf MB**	**Xf HF**	**Xn MB**	**Xn HF**				**Xds SUB**	**Xds SUB**
	DN8000 Output	**1**	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**	**5**
Main Menu	**Input Source (A, B)**	A	A	A	A	A				A+B	A+B
Main Menu	**Output Align Delay (uS)**	2520	2520	3562	2520	3520				20	20
Main Menu	**Polarity (Normal, Invert)**	Invert	Norm	Norm	Norm	Norm				Invert	Invert
Main Menu	**Phase Adjust (Deg.)**	0	0	0	0	0				0	0
Main Menu	**Output Mute (On, Off)**	Off	Off	Off	Off	Off				Off	Off
Main Menu	**Digital Output Level (dB)**	+9.0	0	0	0	0				+9.0	+9.0
Main Menu	**Output Display Label**	Lo	Mid	Hi	Mid	Hi				Sub	Sub
EQ Menu	**HPF Freq. (Hz)**	42.6	125	1.76k	125	1.76k				33.7	33.7
EQ Menu	**HPF Resp. (Type-dB/Oct)**	But24	LR24	LR24	LR24	LR24				But24	But24
EQ Menu	**HPF Lift/Boost (dB)**	0	0	0	0	0				0	0
EQ Menu	**LPF Freq. (Hz)**	125.0	1.76k	16.0k	1.76k	16.0k				80.0	80.0
EQ Menu	**LPF Resp. (Type-dB/Oct)**	LR24	LR24	But24	LR24	But24				LR24	LR24
EQ Menu	**PEQ1 Freq. (Hz)**	37.4	213	3.37k	234	3.37k				37.4	37.4
EQ Menu	**PEQ1 BW (Oct)**	0.5	0.7	0.7	0.7	0.8				0.5	0.5
EQ Menu	**PEQ1 Level (dB)**	+4.0	+2.0	-3.5	+1.0	-6.0				+4.0	+4.0
EQ Menu	**PEQ2 Freq. (Hz)**	50.0	374	6.30k	374	6.30k				50.0	50.0
EQ Menu	**PEQ2 BW (Oct)**	0.4	0.5	0.7	0.5	0.7				0.4	0.4
EQ Menu	**PEQ2 Level (dB)**	0	0	-3.0	0	-5.0				0	0
EQ Menu	**LEQ Freq. (Hz)**	67.2	750	1.00k	717	1.0k				80.0	80.0
EQ Menu	**LEQ BW, SL (Oct, dB/Oct)**	0.3	0.5	0.5	0.5	0.5				0.7	0.7
EQ Menu	**LEQ Level (dB)**	-3.0	0	0	-1.5	0				+1.0	+1.0
EQ Menu	**HEQ Freq. (Hz)**	500	1.06k	14.0k	1.35k	14.0k				500	500
EQ Menu	**HEQ BW, SL (Oct, dB/Oct)**	0.7	1.5	0.9	1.5	0.8				0.7	0.7
EQ Menu	**HEQ Level (dB)**	0	-3.0	+7.0	-4.5	+8.0				0	0
Dynamics Menu	**Comp. Thresh. (dBu)**	+10.0	+10.0	+10.0	+10.0	+10.0				+10.0	+10.0
Dynamics Menu	**Comp. Ratio (X:1)**	2	3	3	3	3				2	2
Dynamics Menu	**Comp. Attack (mS)**	10	10	1	10	1				10	10
Dynamics Menu	**Comp. Release (mS)**	200	150	100	150	100				200	200
Dynamics Menu	**Gate Thresh. (dBu)**	-80	-80	-80	-80	-80				-80	-80
Dynamics Menu	**Gate Range (dB)**	Off	Off	Off	Off	Off				Off	Off
Dynamics Menu	**Gate Decay (dB/mS)**	.02	.04	.06	.04	.06				.02	.02
Dynamics Menu	**Limiter Thresh. (dBu)**	+6.0	+4.0	+2.0	+4.0	+2.0				+6.0	+6.0
Knob	**Output Knobs (dB)**	0	0	0	0	0	0	0	0	0	0
Knob	**Input Knobs (dB)**	A: 0 B: 0					A: 0 B: 0				
Options Menu	**Limiter Thresh. Reference**	dBu (0dBu=.775v)					dBu (0dBu=.775v)				
Options Menu	**Comp. Thresh. Ref. & Link.**	dBu (0dBu=.775v) No Linkage					dBu (0dBu=.775v) No Linkage				
Options Menu	**Output Meter Reference**	dB from Limit					dB from Limit				
Options Menu	**Output Meter Peak Hold**	Auto Clear					Auto Clear				
Options Menu	**Delay Units & Temp. Comp.**	uSec 20 Deg C Set					uSec 20 Deg C Set				
Options Menu	**Maximum Output Voltage**	2.45v: Power Amp (+10.0 dBu)					2.45v: Power Amp (+10.0 dBu)				

KT DN8000 Digital Parameters

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	Loudspeaker System	**Xb, Xn & Xds - Mono** (Also for Xcb & Xcn)					**Xb, Xn & Xds - Max Output** (Also for Xcb & Xcn)				
	Notes	* Use for short/mid-throw mono applications with subs (small FOH w/ subs, groundstack &subs for large FOH) * Xcb may be substituted for Xb * Xcn may be substituted for Xn MB & HF * Turn Xn LF amp down 6dB if share Xb drive signal * Xn/Xb relative delays: HF:1000uS, MB:0uS, LF:0uS * Delay Xf, Xn & Xb 2500uS to match Xds * Calibrate limiter threshold for driver protection * Adjust Level, EQ, Compressor & Gate as necessary					* Use for maximum output mono applications with subs (max. output FOH with subs, groundstack w/ subs) * Xcb may be substituted for Xb * Xn/Xb relative delays: HF:1000uS, MB:0uS, LF:0uS * Use separate Xb & Xn LF drive signals for max output * Calibrate limiter threshold for driver protection * Adjust Level, EQ, Compressor & Gate as necessary				
	Un-hide cells for revision history and specific system notes.										
	Programmer: 1st Rev. - Last Rev.	DEC-01/20/98 DEC-04/04/99					DEC-10/05/98 DEC-04/04/99				
	DN8000 Program Title	**XB/XN/XDS** (Revised Factory Preset)					**XB/XN/XDSMX** (Manual Program)				
	Main Input Master Delays (uS)	A: 20 B: 20					A: 20 B: 20				
	Frequency Band	**Xb/Xn LF**	**Xn MB**	**Xn HF**	**Xds SUB**	**Xds SUB**	**Xn LF**	**Xn MB**	**Xn HF**	**Xb LF**	**Xds SUB**
	DN8000 Output	**1**	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**	**5**
Main Menu	**Input Source (A, B)**	A	A	A	A	A	A	A	A	A	A
	Output Align Delay (uS)	2520	2520	3520	20	20	2520	2520	3520	2520	20
	Polarity (Normal, Invert)	Invert	Norm	Norm	Invert	Invert	Invert	Norm	Norm	Invert	Invert
	Phase Adjust (Deg.)	0	0	0	0	0	0	0	0	0	0
	Output Mute (On, Off)	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Digital Output Level (dB)	+9.0	0	0	+9.0	+9.0	+6.0	0	0	+9.0	+9.0
	Output Display Label	Lo	Mid	Hi	Sub	Sub	Lo	Mid	Hi	Lo	Sub
EQ Menu	**HPF Freq. (Hz)**	42.6	125	1.76k	33.7	33.7	80.0	125	1.76k	42.6	33.7
	HPF Resp. (Type-dB/Oct)	But24	LR24	LR24	But24	But24	LR24	LR24	LR24	But24	But24
	HPF Lift/Boost (dB)	0	0	0	0	0	0	0	0	0	0
	LPF Freq. (Hz)	125.0	1.76k	16.0k	80.0	80.0	125.0	1.76k	16.0k	125.0	80.0
	LPF Resp. (Type-dB/Oct)	LR24	LR24	But24	LR24	LR24	LR24	LR24	But24	LR24	LR24
	PEQ1 Freq. (Hz)	37.4	234	3.37k	37.4	37.4	37.4	234	3.37k	37.4	37.4
	PEQ1 BW (Oct)	0.5	0.7	0.8	0.5	0.5	0.5	0.7	0.8	0.5	0.5
	PEQ1 Level (dB)	+4.0	+1.0	-6.0	+4.0	+4.0	0	+1.0	-6.0	+4.0	+4.0
	PEQ2 Freq. (Hz)	50.0	374	6.30k	50.0	50.0	50.0	374	6.30k	50.0	50.0
	PEQ2 BW (Oct)	0.4	0.5	0.7	0.4	0.4	0.4	0.5	0.7	0.4	0.4
	PEQ2 Level (dB)	0	0	-5.0	0	0	+3.0	0	-5.0	0	0
	LEQ Freq. (Hz)	67.2	717	1.0k	80.0	80.0	71.7	717	1.0k	67.2	80.0
	LEQ BW, SL (Oct, dB/Oct)	0.3	0.5	0.5	0.7	0.7	0.3	0.5	0.5	0.3	0.7
	LEQ Level (dB)	-3.0	-1.5	0	+1.0	+1.0	0	-1.5	0	-3.0	+1.0
	HEQ Freq. (Hz)	500	1.35k	14.0k	500	500	500	1.35k	14.0k	500	500
	HEQ BW, SL (Oct, dB/Oct)	0.7	1.5	0.8	0.7	0.7	0.7	1.5	0.8	0.7	0.7
	HEQ Level (dB)	0	-4.5	+8.0	0	0	0	-4.5	+8.0	0	0
Dynamics Menu	**Comp. Thresh. (dBu)**	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0	+10.0
	Comp. Ratio (X:1)	2	3	3	2	2	2	3	3	2	2
	Comp. Attack (mS)	10	10	1	10	10	10	10	1	10	10
	Comp. Release (mS)	200	150	100	200	200	200	150	100	200	200
	Gate Thresh. (dBu)	-80	-80	-80	-80	-80	-80	-80	-80	-80	-80
	Gate Range (dB)	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
	Gate Decay (dB/mS)	.02	.04	.06	.02	.02	.02	.04	.06	.02	.02
	Limiter Thresh. (dBu)	+6.0	+4.0	+2.0	+6.0	+6.0	+6.0	+4.0	+2.0	+6.0	+6.0
Knob	**Output Knobs (dB)**	0	0	0	0	0	0	0	0	0	0
	Input Knobs (dB)	A: 0 B: 0					A: 0 B: 0				
Options Menu	**Limiter Thresh. Reference**	dBu (0dBu=.775v)					dBu (0dBu=.775v)				
	Comp. Thresh. Ref. & Link.	dBu (0dBu=.775v) No Linkage					dBu (0dBu=.775v) No Linkage				
	Output Meter Reference	dB from Limit					dB from Limit				
	Output Meter Peak Hold	Auto Clear					Auto Clear				
	Delay Units & Temp. Comp.	uSec 20 Deg C Set					uSec 20 Deg C Set				
	Maximum Output Voltage	2.45v: Power Amp (+10.0 dBu)					2.45v: Power Amp (+10.0 dBu)				

(Blank Form for User Programming)

KT DN8000 Digital Parameters

DN8000 OS Rev.: 1.13

	Loudspeaker System										
	Notes										
	Programmer: 1st Rev. - Last Rev.										
	DN8000 Program Title										
	Main Input Master Delays (uS)	A: 20		B: 20			A: 20		B: 20		
	Frequency Band										
	DN8000 Output										
Main Menu	**Input Source (A, B)**										
	Output Align Delay (uS)										
	Polarity (Normal, Invert)										
	Phase Adjust (Deg.)										
	Output Mute (On, Off)										
	Digital Output Level (dB)										
	Output Display Label										
EQ Menu	**HPF Freq. (Hz)**										
	HPF Resp. (Type-dB/Oct)										
	HPF Lift/Boost (dB)										
	LPF Freq. (Hz)										
	LPF Resp. (Type-dB/Oct)										
	PEQ1 Freq. (Hz)										
	PEQ1 BW (Oct)										
	PEQ1 Level (dB)										
	PEQ2 Freq. (Hz)										
	PEQ2 BW (Oct)										
	PEQ2 Level (dB)										
	LEQ Freq. (Hz)										
	LEQ BW, SL (Oct, dB/Oct)										
	LEQ Level (dB)										
	HEQ Freq. (Hz)										
	HEQ BW, SL (Oct, dB/Oct)										
	HEQ Level (dB)										
Dynamics Menu	**Comp. Thresh. (dBu)**										
	Comp. Ratio (X:1)										
	Comp. Attack (mS)										
	Comp. Release (mS)										
	Gate Thresh. (dBu)										
	Gate Range (dB)										
	Gate Decay (dB/mS)										
	Limiter Thresh. (dBu)										
Knob	**Output Knobs (dB)**										
	Input Knobs (dB)	A:		B:			A:		B:		
Options Menu	**Limiter Thresh. Reference**	dBu (0dBu=.775v)					dBu (0dBu=.775v)				
	Comp. Thresh. Ref. & Link.	dBu (0dBu=.775v)			No Linkage		dBu (0dBu=.775v)			No Linkage	
	Output Meter Reference	dB from Limit					dB from Limit				
	Output Meter Peak Hold	Auto Clear					Auto Clear				
	Delay Units & Temp. Comp.	uSec			20 Deg C Set		uSec			20 Deg C Set	
	Maximum Output Voltage	2.45v: Power Amp (+10.0 dBu)					2.45v: Power Amp (+10.0 dBu)				